



uc3m

Universidad
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Open Science at UC3M

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Summary

- What is Open Science
- Why Open Science at UC3M
- Strategies to make Open Science at UC3M possible
- Solutions that make Open Science at UC3M possible

What is Open Science*

- “Open Science is the movement to **make scientific research and data accessible to all**. It includes practices such as **publishing** open scientific research, campaigning for **open access** and generally **making it easier to publish and communicate scientific knowledge**.
Additionally, it includes other ways to make science more **transparent and accessible** during the research process. This includes **open notebook science, citizen science**, and aspects of **open source software** and **crowdfunded research projects**.
- The many advantages of this movement include:
 - Greater availability and accessibility of **publicly funded scientific research** outputs;
 - Possibility for rigorous peer-review processes;
 - Greater reproducibility and transparency of scientific works;
 - Greater impact of scientific research”.

*Definition from UNESCO

Why Open Science at UC3M

- Carlos III University of Madrid is a public university.
- UC3M's mission is “to contribute to the improvement of **society** through teaching of the highest quality and **cutting-edge research** in line with stringent international guidelines”.



Let's make this cutting-edge research
accessible...

Strategies to make Open Science at UC3M possible

1. Get ready for a National OS policy + Horizon Europe:

- Research evaluation and researchers assesment
- New incentives
- Aligning human resources policies with HR Excellence in Research Award
- Open Access Publications
- Research Data
- Citizen Science



2. Cooperate with:

- International: YERUN (LERU, EUA, LIBER, etc.)
- National: CRUE / FECYT
- Regional: Madroño
- Others...

WHO at UC3M?

- Governing Bodies: Vice-Presidents
- Administrative Services (Research Service, Library, Innovation and Entrepreneurship, Human Resources and Organisation, etc.)
- RESEARCHERS

Strategies to make Open Science at UC3M possible

3. Moving forward and promoting Open Science

FOS: Full Open Science = Pilot with voluntary research teams

Objective: BUILD Open Science Policy



Bottom-up!!! Research teams FOS + Experience

- Project underway, results to be published in Summer 2020

WHO at UC3M?

- Supported by UniOS = **Open Science University** (an operational unit staffed by qualified experts who are implementing and supporting Open Science within UC3M: Library & Research Service & IT Service & Innovation and Entrepreneurship & Human Resources and Organisation & RESEARCHERS)

Solutions that make Open Science at UC3M possible

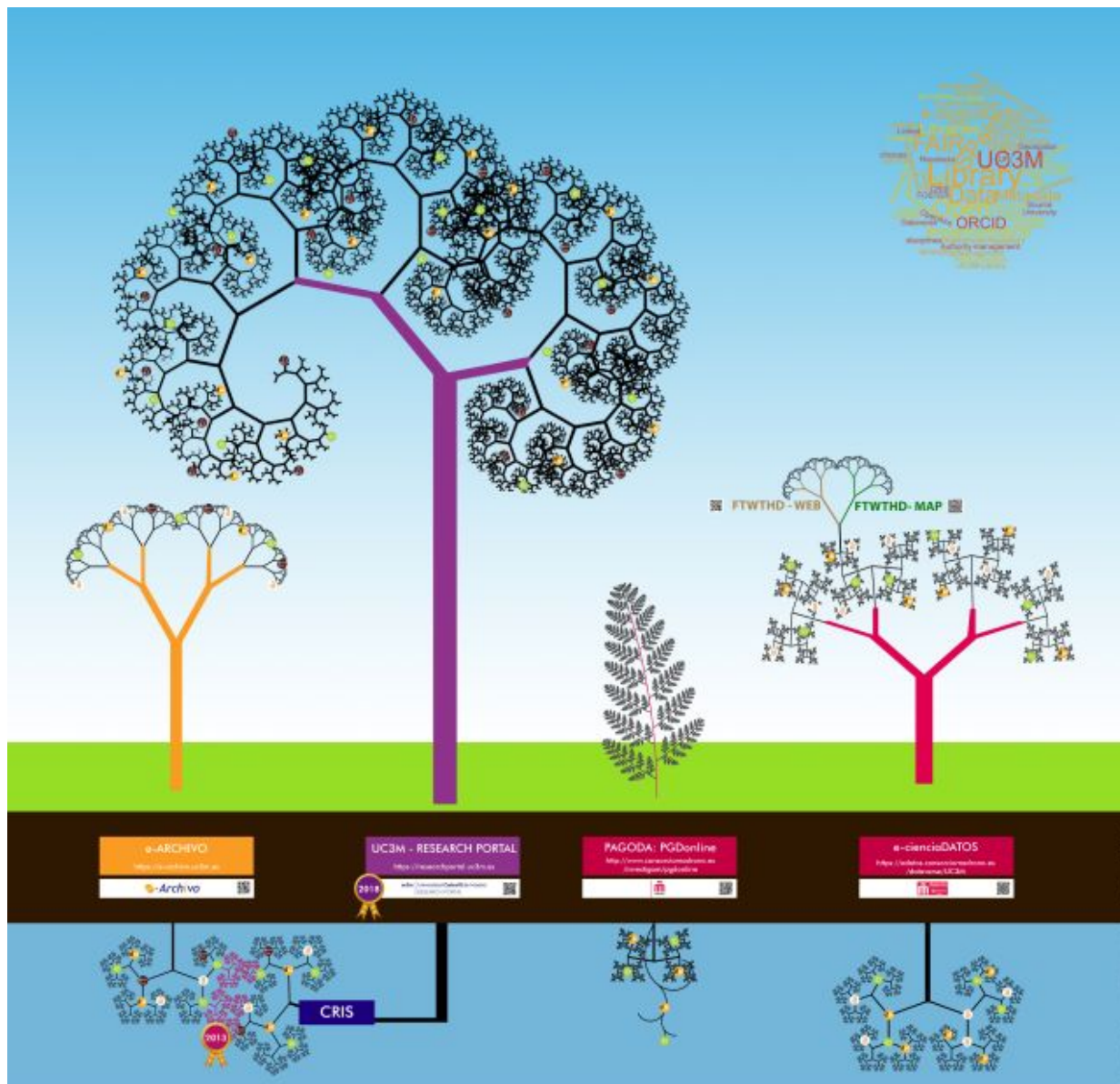
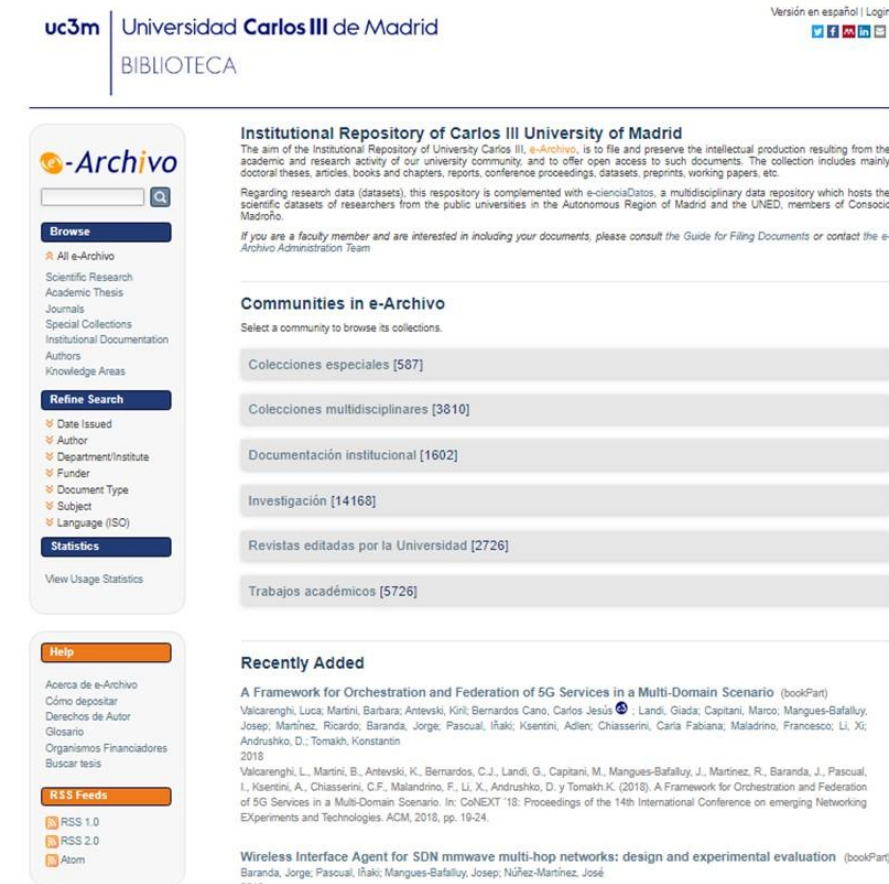
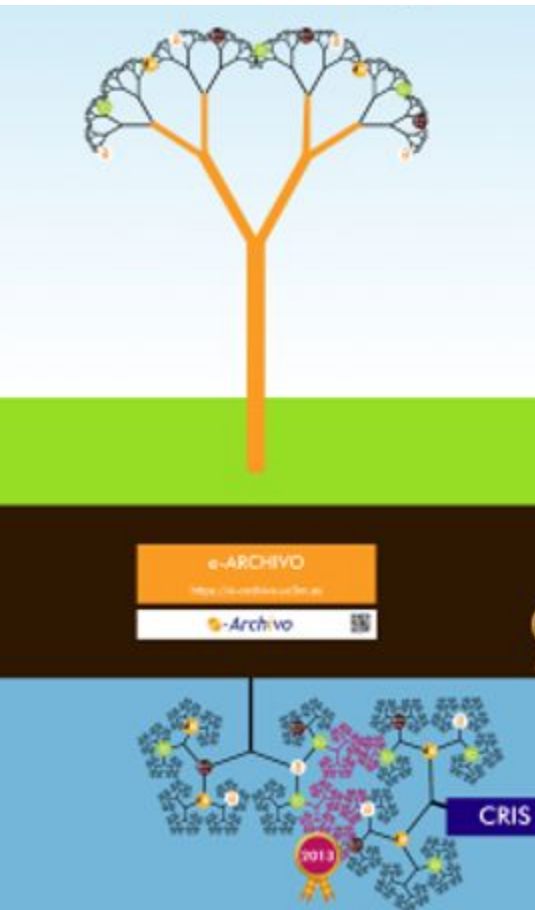


Image: Open Science ecosystem at UC3M:
https://doi.org/10.1007/978-3-030-00066-0_43

Solutions that make OS at UC3M possible: Institutional Repository e-Archivo

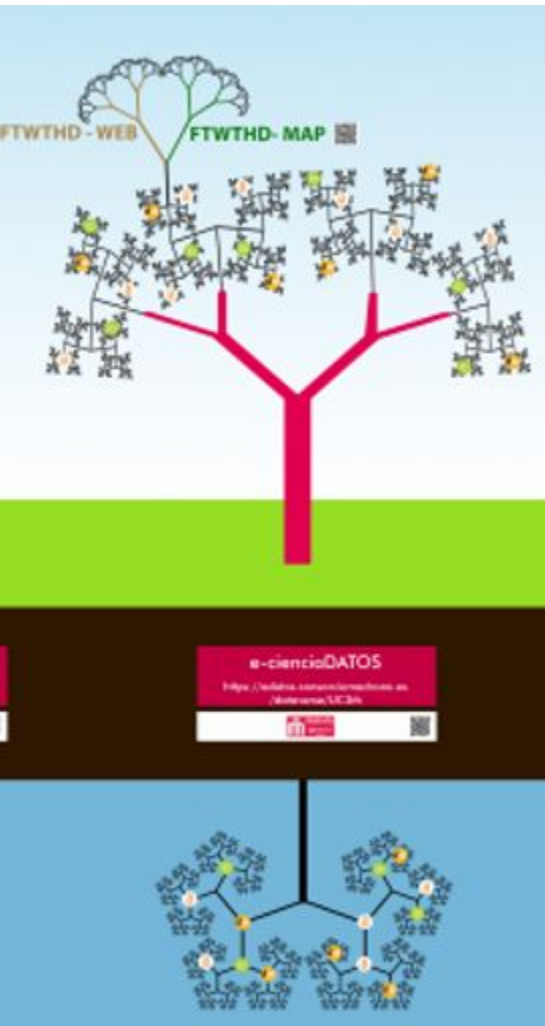
OA Repository (Green)

- Created in 2007
- Currently includes 24,700 documents
 - 1,610 Doctoral Thesis
 - 8,170 Articles
 - 2,985 Conference Objects
 - 3,746 Bachelor Thesis
 - 2,110 Books Parts
 - 867 Books
- Harvested by:
 - e-ciencia, Madrid regional repository,
 - Recolecta, the national repository,
 - OpenAIRE, the European repository.
- Connected to UC3M CRIS

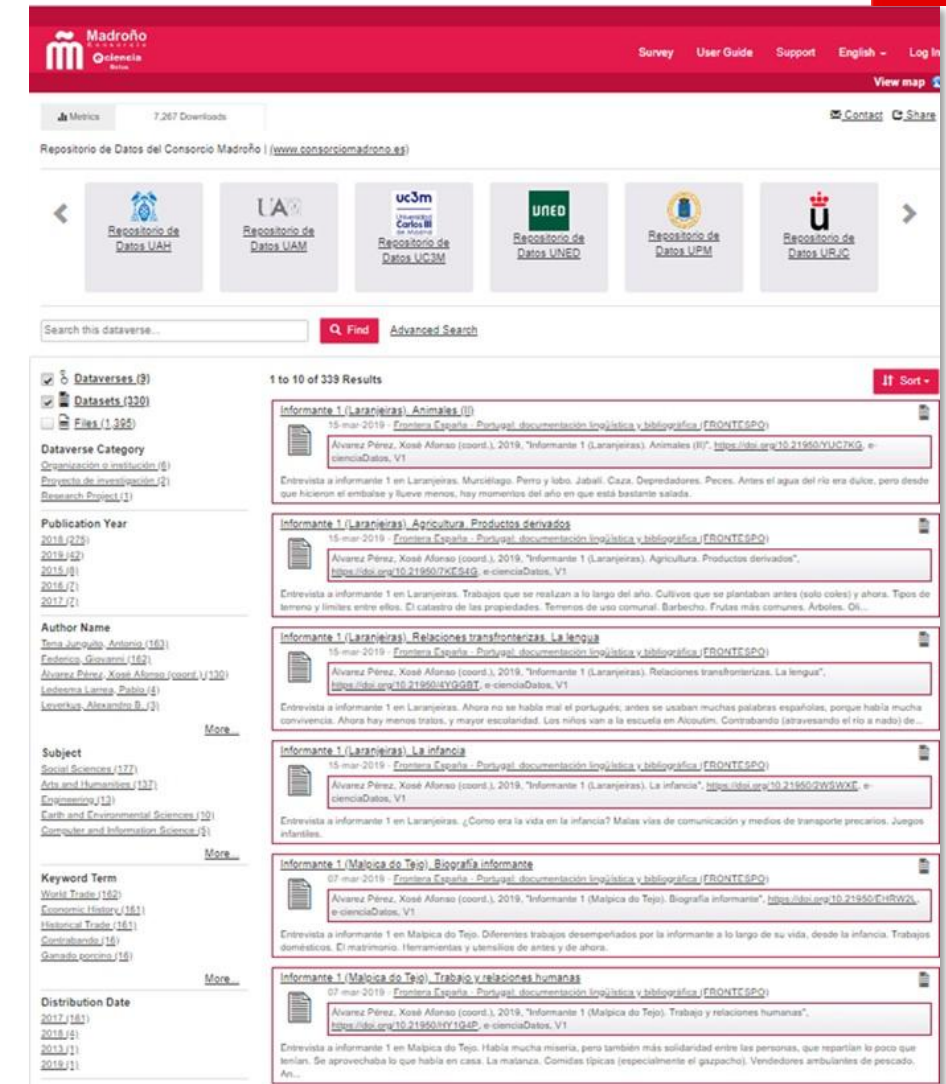


Solutions that make OS at UC3M possible: Data Repository eCienciaDatos

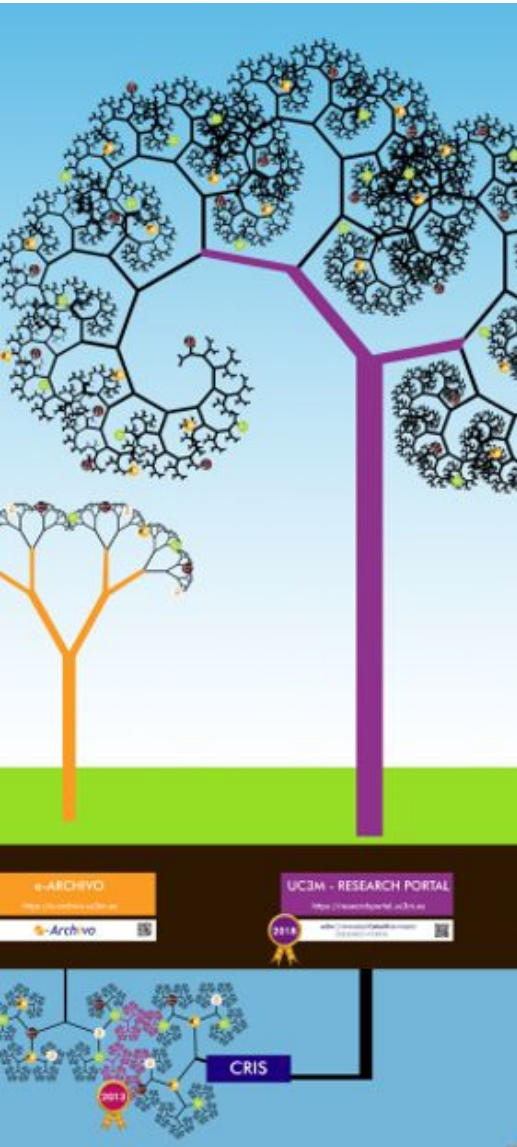
Regional Research Data Repository



- Created in 2016
- Currently with 330 datasets and 1,395 files
- Based in Dataverse, an open code software
- Each university has a different community with datasets
- Possibility to geolocalize the datasets
- Harvested by DataCite
- Registered by re3data.org

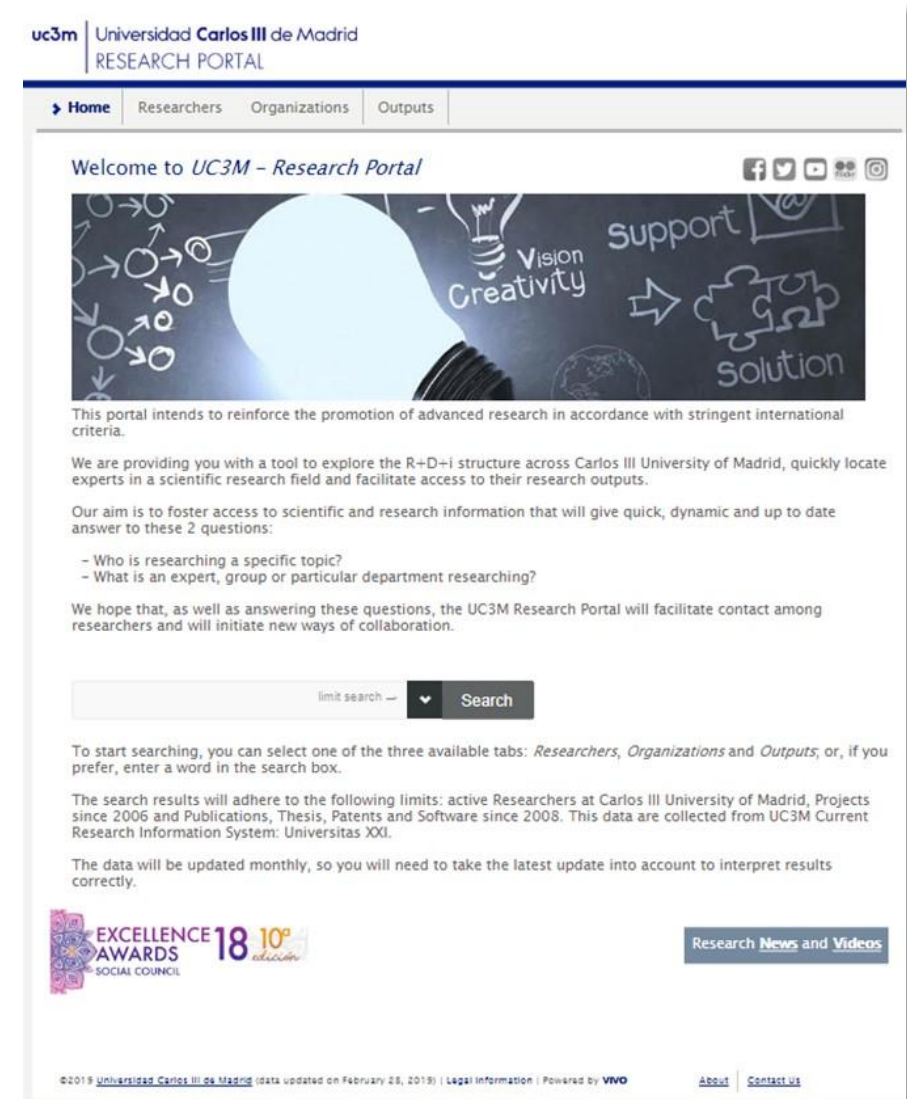


Solutions that make OS at UC3M possible: UC3M Research Portal

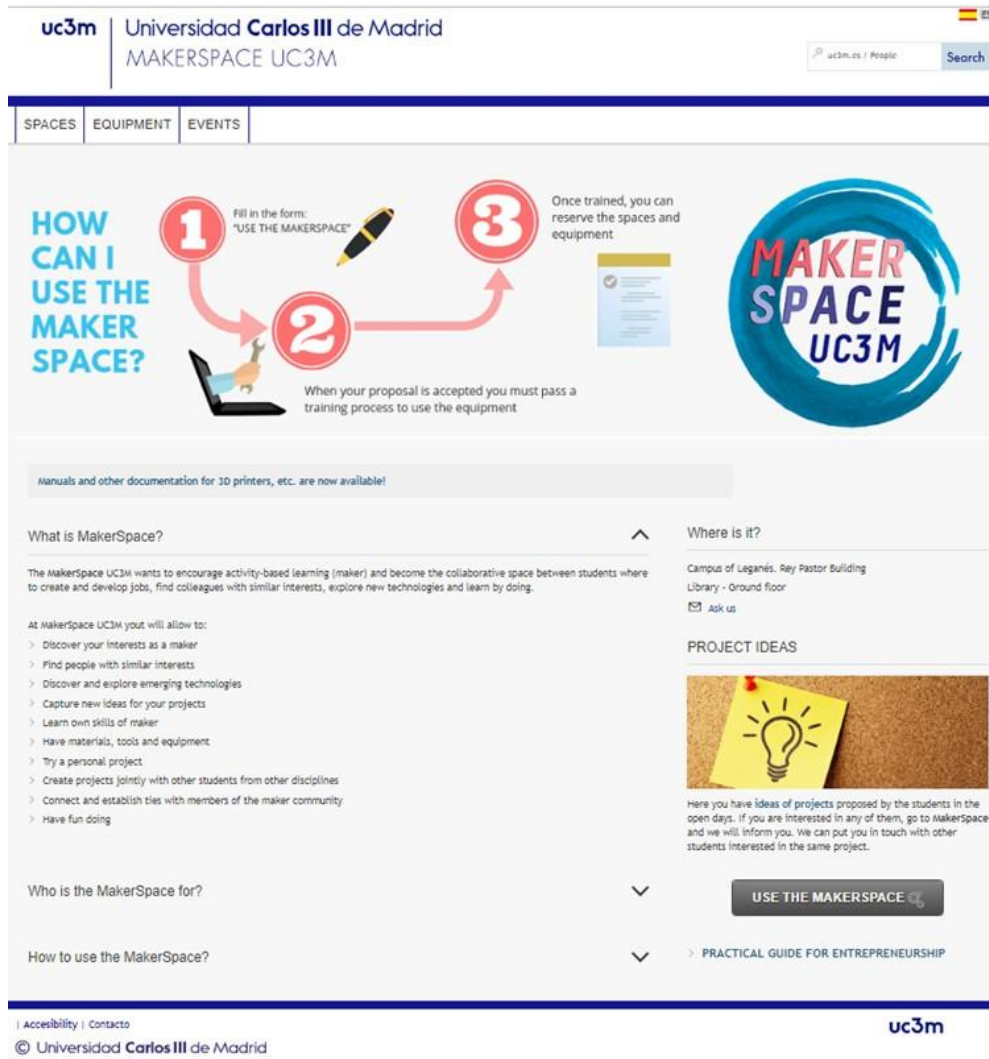


- Created in 2016
- Showing information from CRIS
- Trying to answer 2 questions:
 - Who is researching a specific topic?
 - What is an expert, group or particular department researching?
- Based on VIVO, an open code software
- Currently includes 1,875 researches, 27 departments, 27 research institutes and 131 research groups and more than 30.000 bibliographical references (Articles, Book Chapters, Books, Conference Contributions,

Expert finder



Solutions that make OS at UC3M possible: Maker Space



The screenshot shows the MakerSpace UC3M website. At the top, it says 'uc3m Universidad Carlos III de Madrid MAKERSPACE UC3M'. Below this is a navigation bar with 'SPACES', 'EQUIPMENT', and 'EVENTS'. The main content area features a 'HOW CAN I USE THE MAKER SPACE?' section with a three-step process: 1. Fill in the form 'USE THE MAKERSPACE', 2. When your proposal is accepted you must pass a training process to use the equipment, and 3. Once trained, you can reserve the spaces and equipment. To the right of this is a large blue circular logo with 'MAKER SPACE UC3M'. Below the logo, it says 'Manuals and other documentation for 3D printers, etc. are now available!'. On the left, there's a 'What is MakerSpace?' section with a list of benefits. On the right, there's a 'Where is it?' section with the address 'Campus de Leganés, Rey Pastor Building Library - Ground floor' and a 'PROJECT IDEAS' section with a lightbulb icon and a 'USE THE MAKERSPACE' button. At the bottom, there's a footer with 'Accessibility | Contacto' and '© Universidad Carlos III de Madrid'.

Citizen Science

- Open as of 1st October 2018



Thanks!

Merci

Grazie

Obrigado

Dziękuję

Σας ευχαριστώ!

Danke schön

Teşekkür ederim

شكرا

Ačiū!

¡Gracias!



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